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Patent Claims

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1. An Internet telephone adapter for setting up voice/data link in line-switching networks (1) and packet-switching networks (1') having a base unit (B) for setting up a subscriber terminal interface (LS) and a standard data interface (V.24); and a subscriber access adapter (VM) for connecting the base unit (B) to a service provider (SP) for line-switching networks and packet-switching networks (1, 1'), characterized in that the base unit (B) has a transfer method evaluation unit (SE; IWU) which, on the basis of the type of voice/data link identified, performs data conversion between the data on the subscriber terminal interface (LS) and the packet-switching network (1) or the line-switching network (1').
2. The Internet telephone adapter as claimed in patent claim 1, characterized in that the subscriber terminal interface (LS) is an air interface, and the standard data interface (V.24) is a serial interface.
3. The Internet telephone adapter as claimed in patent claim 2, characterized in that the air interface (LS) is a DECT or GSM interface standardized on the basis of ETSI, and the serial interface (V.24) is a V.24 or USB interface standardized on the basis of ITU.
4. The Internet telephone adapter as claimed in patent claim 2, characterized in that the air interface (LS) is a Bluetooth interface or PHS interface.

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5. The Internet telephone adapter as claimed in one of patent claims 1 to 4, characterized in that the subscriber access adapter (VM) has an analog voice modem or a digital ISDN adapter.

6. The Internet telephone adapter as claimed in patent claim 5, characterized in that the subscriber access adapter (VM) has a selection unit (AE) for selecting data transfer in a data format (M) or a voice format (V).

7. The Internet telephone adapter as claimed in one of patent claims 1 to 6, characterized in that, for an outgoing call, the base unit (B) actuates the subscriber access adapter (VM), and for an incoming call, the subscriber access adapter (VM) actuates the base unit (B) for the type of voice/data link.

8. The Internet telephone adapter as claimed in one of claims 1 to 7, characterized in that the base unit (B) produces an IP address for a required call party when a voice/data link is identified for a packet-switching network (1).

9. The Internet telephone adapter as claimed in one of patent claims 1 to 8, characterized in that the data conversion in the transfer method evaluation unit (SE, IWU) for the packet-switching network (1) comprises TCP/IP data protection.

10. The Internet telephone adapter as claimed in one of patent claims 1 to 9,

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characterized in that the data conversion in the transfer method evaluation unit (SE; IWU) for the packet-switching network (1) comprises a Voice-Over-IP protocol.

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11. The Internet telephone adapter as claimed in one of patent claims 2 to 10,

characterized in that a standardized cordless subscriber terminal (TE) can be registered on the base

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unit (B).

12. The Internet telephone adapter as claimed in one of patent claims 1 to 7,

characterized in that, when a voice/data link is

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identified for a line-switching network (1'), the base unit (B) actuates the subscriber access adapter (VM) such that the service provider (SP) connected thereto selects the line-switching network (1') for a voice/data link.

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13. The Internet telephone adapter as claimed in one of patent claims 1 to 12,

characterized in that the subscriber access adapter (VM) is incorporated in the base unit (B).